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(54) Title: PROCESS FOR THE PREPARATION OF L-3,4-DIHYDROXYPHENYLALANINE BY AEROBIC FERMENTATION OF A MICROORGANISM

(57) Abstract: The invention relates to a process for the preparation of L-3,4-dihydroxyphenylalanine wherein L-3,4-dihydroxyphenylalanine is produced in a fermentation medium by aerobic fermentation of a recombinant microorganism having L-tyrosine-3-hydroxy-mono-oxygenase activity and at least the metabolic pathways: glycolysis, pentose phosphate pathway, aromatic amino acid pathway, or derivative pathways thereof, which process comprises (i) a growth phase and a production phase, wherein L-3,4-dihydroxy-phenylalanine is produced in the fermentation medium, and 10 (ii) a downstream processing phase, and in which process L-3,4-dihydroxy phenylalanine is produced from a carbon source and the pH is in the range of from 1 to 7 during at least part of the production phase and/or downstream processing phase.

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